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TECH CENTER 1600/2900

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 Iida, Kumiko
 Yaqi, Shintaro

<120> Method for Measurement of Hepatitis C Virts

<130> 594.352USWO

<140> 09/509,449

<141> 2000-03-28

<150> JP-10-216094

<151> 1998-07-30

<150> PCT/JP99/04129

<151> 1999-07-30

<160> 11

<170> PatentIn version 3.0

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<212> PRT

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Asn Arg Arg Pro Gln Asp Val Lys the Pro Gly Gly Gln Ile Val
35 40 45

Gly Gly Val Tyr Leu Leu Pro Ard Arg Gly Pro Arg Leu Gly Val Arg
50 60

Ala Thr Arg Lys Thr Ser Lys Arg Ser Gln Pro Arg Gly Gly Arg Arg
65 70 75 80

Pro Ile Pro Lys Asp Arg Arg Ser Thr Gly Lys Ser Trp Gly Lys Pro

Gly Tyr Pro Trp Pro Leu Tyr Gly Asn Glu Gly Leu Gly Trp Ala Gly
100 105 110

Trp Leu Leu Ser Pro Ard Gly Ser Arg Pro Ser Trp Gly Pro Thr Asp 115 120 125

Blad

Pro Arg His Arg Ser Arg Asn Val Gly Lys Val Ile Asp Thr Leu/Thr Cys Gly Phe Ala Asp Leu Met Gly Tyr Ile Phe Arg Val Gly A/1a Phe Leu Gly Gly Ala Ala Arg Ala Leu Ala His Gly Val Arg Val/ Leu Glu Asp <210> 2 <211> 160 <212> PRT <213> Hepatitis C virus <400> 2 Met Gly Thr Asn Pro Lys Pro Gln Arg Lys Thr L∳s Arg Asn Thr Asn 10 Arg Arg Pro Gln Asp Val Lys Phe Pro Gly Gly/Gly Gln Ile Val Gly Gly Val Tyr Leu Leu Pro Arg Arg Gly Pro Arg Leu Gly Val Arg Ala Thr Arg Lys Thr Ser Lys Arg Ser Gln Pro/Arg Gly Gly Arg Arg Pro 50 Ile Pro Lys Asp Arg Arg Ser Thr Gly Lys Ser Trp Gly Lys Pro Gly Tyr Pro Trp Pro Leu Tyr Gly Asn Gly Gly Leu Gly Trp Ala Gly Trp Leu Leu Ser Pro Arg Gly Ser Arg Pro Ser Trp Gly Pro Thr Asp Pro

Arg His Arg Ser Arg Asn Val Gly Lys Val Ile Asp Thr Leu Thr Cys
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120
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Gly Phe Ala Asp Leu Met Sly Tyr Ile Phe Arg Val Gly Ala Phe Leu 130 135 140

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      PRT
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      21
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       PRT
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       Artificial
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       Fused polypeptide including #epatitis C virus sequence.
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Ser Arg Asn Val Gly
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Glu Phe Thr Lys Val Pro Val Ala Tyr Ala Ala Lys Gly Tyr Lys Val
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                                                                       96
ctg gtt ctg ga¢ ccg agc gtt gcc agc acc ctg ggt ttc ggc gcg tat
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Leu Val Leu	Asp Pro Ser	Val Ala Ser 25	Thr Leu G	ly Phe Gly 30	Ala Tyr
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		ccg gtg acc Pro Val Thr 55		hr Tyr Gl/y	
		gcc ggc ggt Ala Gly Gly			
		tct aac act Ser Asn Thr			
		gcg atc aaa Ala Ile Lys 105	Gly Gly/A:		
	Lys Glu Lys	tgc gat gaa Cys Asp Glu 120			
		gca ttc tat Ala Phe Tyr 135	Arg Gly L		·='
		gtg gtt atc Val Val Ide			
		ttt gad tca Phe Asp Ser			
Ile Thr Gln	Gly Ser Gly 180	ctg/gta/ago Lev Val Ser 185	Phe Ala S	er His Val 190	Pro Tyr
atc gag cag Ile Glu Gln 195	Gly Met/Gln	ctg age gaa Leu Ser Glu 200	caa ttt a	ag cag aag ys Gln Lys 205	agc ctg 624 Ser Leu
ggt ctg ctg Gly Leu Leu 210	cag acc gcg Gln Thr Ala	acc aaa cag Thr Lys Glr 215	Ala Glu A	cg gcc gcc la Ala Ala 20	ccg gtg 672 Pro Val
		e cgc cgt ccg Arg Arg Pro			



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gaa gag ggg caa cgg ata gcc gag atg ctg aag tcc aag atc dag ggc Glu Glu Gly Gln Arg Ile Ala Glu Met Leu Lys Ser Lys Ile Gln Gly 275 280 285	864					
tta ctg cag caa gcc tcc aag cag gcc caa gac ata aaa atc gac ggt Leu Leu Gln Gln Ala Ser Lys Gln Ala Gln Asp Ile Lys Ile Asp Gly 290 295 300	912					
acc ctg att att ccg aaa gat cgt cgc agc acc ggt aaa agc tgg ggt Thr Leu Ile Ile Pro Lys Asp Arg Arg Ser Thr Gly Lys Ser Trp Gly 305 310 315 320	960					
aaa ccg ggc ttc ctc atc gat agc ttg cat atc aac cag cga gcc gtc Lys Pro Gly Phe Leu Ile Asp Ser Leu His Ile Asn Gln Arg Ala Val 325 330 335	1008					
gtt gca ccg gac aag gag gtc ctt tat gag got ttt gat gag atg gag Val Ala Pro Asp Lys Glu Val Leu Tyr Glu Ala Phe Asp Glu Met Glu 340 345 350	1056					
ctc gcc atg ggc acc aac ccg aaa ccg gag cgt aaa agc aag cgt aac Leu Ala Met Gly Thr Asn Pro Lys Pro Gyu Arg Lys Ser Lys Arg Asn 355 360 365	1104					
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Leu Ser Lys Ala His Gly Val Asn Pro Asn Ile Arg Thr Gly Ile Arg
35 40 45

Thr Val Thr Thr Gly Ala Pro Val Thr Tyr Ser Thr Tyr 61y Lys Tyr
50 55 60

Leu Ala Asp Gly Gly Cys Ala Gly Gly Ala Tyr Asp Val Ile Gly Ser 70 75 80

Gly Glu Glu Val Ala Leu Ser Asn Thr Gly Glu Val Pro Phe Tyr Gly 85 90 95

Arg Ala Ile Pro Ile Glu Ala Ile Lys Gly Gly Arg His Leu Val Phe 100 105 110

Cys His Ser Lys Glu Lys Cys Asp Glu Leu Ala Ser Ala Leu Ser Gly
115 120 125

Leu Gly Leu Asn Ala Val Ala Phe Tyr Arg Gly Leu Asp Val Ser Ile 130 135 140

Ile Pro Thr Gln Gly Asp Val Val The Val Ser Thr Asp Ala Leu Met 145 155 160

Thr Gly Phe Thr Gly Asp Phe Asp Ser Val Val Asp Cys Asn Thr Cys 1/65

Ile Thr Gln Gly Ser Gly Leu Val Ser Phe Ala Ser His Val Pro Tyr
180 185 190

Ile Glu Gln Gly Met Gln Leu Ser Glu Gln Phe Lys Gln Lys Ser Leu
195 200 205

Gly Leu Leu Gln Thr Ala Thr Lys Gln Ala Glu Ala Ala Ala Pro Val 210 215 220

Val Gly Thr Pro Lys Ser Arg Arg Pro Glu Gly Arg Ala Trp Ala Gln 225 230 235 240

Pro Gly Thr Ile Ile Leu Ser Gly Arg Pro Ala Val Val Pro Asp Arg 245 250 255

Glu Val Leu Tyr Gln Glu Phe Leu Glu Ala Ser Arg Ala Ala Leu/Ile 260 265 270

Glu Glu Gly Gln Arg Ile Ala Glu Met Leu Lys Ser Lys Ile Gln Gly
275 280 285

Leu Leu Gln Gln Ala Ser Lys Gln Ala Gln Asp Ile Lys Ile Asp Gly 290 295 300

Thr Leu Ile Ile Pro Lys Asp Arg Arg Ser Thr Gly Lys Ser Trp Gly 305 310 315 320

Lys Pro Gly Phe Leu Ile Asp Ser Leu His Ile Asn Gln Arg Ala Val 325 330 335

Val Ala Pro Asp Lys Glu Val Leu Tyr Glu Ala Phe Asp Glu Met Glu 340 345 / 350

Leu Ala Met Gly Thr Asn Pro Lys Pro Glu Arg Lys Ser Lys Arg Asn 355 360 365 ·

Thr Asn Arg Lys Pro Gln Asp Ile Lys Phe Pro Gly Ser Gly Gln Val

Val Gly Gly Val Tyr Leu Val Pro Arg Arg Gly Pro
385 395